

INTERNATIONAL SEARCH REPORT

Inte
nal Application No
PCT/IB2004/052319

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04Q7/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 477 176 B1 (HAEMELAEINEN JARI ET AL) 5 November 2002 (2002-11-05) abstract column 1, line 5 – line 8 column 3, line 29 – line 67 column 4, line 55 – column 5, line 45 column 7, line 2 – line 30 column 9, line 4 – line 33	1-34
X	US 5 740 531 A (OKADA ET AL) 14 April 1998 (1998-04-14) abstract column 1, line 62 – column 2, line 5	1, 13, 23 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

- "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the International search	Date of mailing of the International search report
9 February 2005	17/02/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax. (+31-70) 340-3016	Authorized officer Harrysson, A

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 00/31996 A2 (TELEFONAKTIEBOLAGET LM ERICSSON) 2 June 2000 (2000-06-02) abstract page 10, line 2 – page 12, line 2 page 23, line 5 – page 27, line 9	1-34
A	"Digital cellular telecommunications system (Phase 2+); Full rate speech; Voice Activity Detector (VAD) for full rate speech traffic channels (GSM 06.32 version 8.0.0 Release 1999); DraftETSI EN 300 965" ETSI STANDARDS, EUROPEAN TELECOMMUNICATIONS STANDARDS INSTITUTE, SOPHIA-ANTIPO, FR, vol. SMG11, no. V800, July 2000 (2000-07), XP014002317 ISSN: 0000-0001 the whole document	1-34

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US 5740531	A	14-04-1998	JP JP GB GB	3418463 B2 8126047 A 2294610 A ,B 2312133 A ,B		23-06-2003 17-05-1996 01-05-1996 15-10-1997
WO 0031996	A2	02-06-2000	AU AU BR CA CN EP JP TW US ZA	766016 B2 2012300 A 9915652 A 2351571 A1 1130938 C 1133886 A2 2002531026 T 444460 B 2004062274 A1 200103992 A		09-10-2003 13-06-2000 07-08-2001 02-06-2000 10-12-2003 19-09-2001 17-09-2002 01-07-2001 01-04-2004 05-12-2001